

Newsletter Date:
May/June 2016



innovate ITD!

Each winter season, salt falling from the spreader unit onto valves and vital parts was causing widespread corrosion and failure.



District 1 Shop Superintendent Dustin Chase came up with an inexpensive solution – stainless steel plates that cost \$400 per truck in a one-time expense, but save about \$900 per unit annually. Also factor in the increased reliability of the trucks, and it's a winning formula.



"This is a huge money saver," said District 1 Business Operations Manager Scotty Fellom. "It's a one-time cost of \$400 vs. a savings of \$13,500 over an estimated 15-year truck life times 52 trucks equals an overall savings for those 15 years of \$681,200 — \$56,766 per year."

"We were having to change a half dozen parts almost yearly, on every truck, due to heavy corrosion and the resulting failure of the parts," said Chase.

"We put these plates on this spring and did not have a single failure through this winter."

"As we are converting our trucks back for summer maintenance, we are removing these plates and I am thoroughly impressed with the results. Components that usually only last a year still look brand new after a season of plowing."

Chase also explained that the savings go beyond the immediate cost. Differentials and other high-dollar items that were showing heavy signs of corrosion are also now protected by the plates.



Administration



Scotty Fellom,
Business Operations Manager

The District has officially entered the last quarterly budget cycle for FY16; we have started our budget spend down. Our District spending cutoffs are June 10th for any Purchasing and Supply purchase and June 14th for our AP Section, I will balance all accounts the week of June 20th – 24th.

We are currently in the process of filling vacant maintenance positions in Bonners Ferry, Sandpoint, Coeur d' Alene and Harrison; Staff Engineers in

our Planning and Engineering Resources section while also setting up interviews for our Traffic Engineer and Sr. Planner as well.

This year the District received numerous Innovation Awards, all derived from some wonderful inventions and created by some of our fellow employee's; Mike Rearden and his Salt Brine/Deicer diverter valve, Dave Palmer and his tailgate stabilizer, our Shop guys and their stainless steel chassis pro-

tector and Gene Anderson and his bridge girder lifter...all inventions created in house, by people thinking outside the box, improving employee safety, making daily tasks more efficient and saving us thousands of dollars in potential equipment repairs, that's a good thing. Probably one of not only District One's major feats, but the Departments as a whole, is that the District also finished up our LED Light Installation Project on

the I-90/Coeur d' Alene/ US-95 Corridor and all of our District One Buildings and Yards this past year. We not only received a \$69,000 initial rebate from AVIS-TA Utilities, but will continue to recoup some huge energy savings for many years to come. The yearly warehouse, stockpile and fuel inventories are currently being conducted and will be finalized by the end of the month.

Our annual Employee Appreciation BBQ will be held on June 2nd from 11:00 a.m. – 12:30 p.m. down at our Maintenance Crafts Building,

come and have a burger and some good conversation.

The District will host our ITD Board Tour and Meeting on July 27 – 28th. This year's tour will focus on both the economic opportunity and mobility aspects of our Department's Strategic Plan. We will be touring some local businesses and the newly expanded KTEC vocational training center; all relying on our state roadway system for work force training and the transportation of their goods and services throughout the Northwest.

Upcoming Events

- D1 Truck Rodeo - May 25th - Athol Pit
- June 2nd —Annual Employee Appreciation BBQ— Maintenance Crafts Bldg, 11:00-1:00 pm
- Jul 27-28th—Board Tour (27th) & Meeting (28th) - EOC Room, 8:00-4:00 pm

ITD Has Strong Presence at High School Job Fair

Three Departments from District One were present at a job fair for middle school and high school students in St. Maries on April 22nd. The schools that participated in the job fair were from St. Maries, Kootenai-(Harrison), Lakeside, (Plummer), and Potlatch. It was a daylong event that showcased ITD equipment and the employees of District One.

The Departments that were present were the Bridge & Building, and Striping Crews from Coeur d' Alene and Maintenance Crews from Santa and St. Maries.

The equipment that was displayed included a 10 Wheel Dump Truck with a plow and junior wing, 10

Wheel Dump Truck with a plow and slide in Anti-Icing unit, a regular 10 Wheel Dump Truck, a 6 Wheel Dump Truck with a slide in Tack Oil component, a Marathon Mixer used to create Koch Joints, and the crowd favorite-The Striping Truck.

Each employee was assigned to a piece of equipment and answered any questions the students, faculty, and general public had about certain pieces of equipment while touring the fair site. The students were very inquisitive about ITD equipment and how it worked. They were impressed with the technology we have on board in our equipment.

Several students stated, "I want to work for you guys when I get out of school, this stuff is cool!" Each employee did a great job of giving a brief tutorial about the equipment and how it is used.



Static display of ITD equipment used by Maintenance Operations personnel



Students gather around the Striping Truck to learn how this specialized equipment is used to mark lanes of travel



Shannon Pooler (St Maries Crew) briefs students on the operations of de-icing truck to improve road safety





*Jerry Wilson, P.E.
Operations Engineer*

Maintenance Operations

District One's early and dryer-than-normal Spring weather enabled Maintenance Operations staff to get about a four-week head start on Spring/Summer activities.

Bonnors took a massive tree down that was leaning over US-95. The fallen tree covered four lanes of highway plus an escape ramp! Maintenance forces saved the Department \$22,000 by replacing a pedestrian handrail that a logging truck ran into earlier this year. This handrail now meets handrail safety standards. Bonnors will be pulling 13 miles of shoulder on US-95 that should take them into June. Due to staff transitions, this shed will be busy hiring three new employees.

Sandpoint finished a brushing project on US-95 and will start another more extensive brushing project on SH-200 that they will work on through June. Both brushing project will enhance road safety and provide better wildlife visibility.

The Athol crew has been clearing hazard trees ahead of the SH-41 construction project, worked with Boise staff on traffic control assistance this past week on the FWD/GRD testing for pavement data, and is working on stockpile data collection with a new laser rangefinder stockpile measuring system.

The Cedars crew has been fixing center crack on I-90 milepost 24 to 32 and is about 30% is completed. There is a brushing project on I-90 that should carry them through May and into June.

Bridge and Building completed a project on the Pennsylvania Bridge that involved replacing deteriorated girder seats. This was an especially critical project since this bridge isn't slated for replacement until 2020. This team effort not only helped prolong the life of this bridge but saved the department \$260,000 over having a contractor do this work. Bridge and Building is currently installing a larger water line at the 40-Acres site to increase brine production. Additional plans are to recycle water from the truck wash and use it to manufacture brine.

This past winter left the Mullan/Osborn crew with numerous potholes to repair and crews will be focused on reconstructing damaged approaches. The two year project at Lookout Pass is progressing well and is still slated for completion by Oct 2016. There is a brushing project scheduled later on this week.

The Coeur d'Alene South crew is doing brush work, cleaning up slides, finishing drain work, and helping other crews when they can. Various road repairs are scheduled through July and August.

The St Maries crew has been assisting with inspection work, brushing/tree removal and booming all sections. Replacement of signs and delineators is an on-going project this crew continues to work on.

Work in the Mechanic's Shop has been steady and busy as usual. The lease buy-back loaders and back hoes have been returned and truck conversions are completed. The majority of crews will be coming off winter shifts and starting summer hours on March 14.

Maintenance Crew Recognized for Reducing Accidents and Improved Safety

The Gateway Fire Protection District, in Plummer, recently sent a letter to ITD's District One office to recognize the snow-removal efforts of the crew serving that area.

Fire Chief Jody Cuthbert wrote "The Gateway Fire District would like to acknowledge the efforts and long hours dedicated to keeping the roadways clear in our district. These efforts are often unappreciated and go unnoticed. During this last winter, our district has had zero medical transports due to weather-related crashes and significantly fewer calls to accidents. The few accidents we responded to were either minor or non-injury."

"This figure is outstanding and in large part due to the efforts of the ITD crew assigned to this area. The hard work resulted in safer road conditions throughout our district. Thank you for dedication to our community's safety."

"We have a great relationship with many of our area partners in the Plummer area and appreciate what the Gateway Fire Group does for the area," said Marc Johnson, Coeur d' Alene, U.S. 95 South and Plummer Foreman for ITD. "The crew and myself really try to do our best and work hard to ensure safe driving conditions are maintained for everyone."

"Customer service isn't a one-time thing

for us; my crew goes the extra mile each and every day."



Plummer Maintenance Crew (left to right): John Reed, Dallas Hutchins, Ryan Long, Marc Johnson (Foreman), Tim Clark, and Mark Smith



*Marvin Fenn, P.E.
Engineering Manager 2
Planning and Engineering Resources*

Planning and Engineering Resources

District One *Planning and Engineering Resources* is happy to say we met the April 1st deadline preparing Charters for the 2017 Idaho Transportation Investment Program (ITIP). The Early Development (ED) and HSIP Strategic Initiatives Program projects are a big focus this year as they are approved on a competitive basis for funding. These are the data-driven projects that you've been hearing a lot about that will improve safety, mobility and economic benefit to the traveling public.

In case you haven't heard, Charlie While recently took the District Geologist position vacated by the retired Bill Capaul. Congratulations to Charlie on his new position. Charlie is weaning himself away from environmental work he had been doing for the past eight years. Thanks for all of your great work Charlie.

Terry Troutman has been tirelessly providing CADD training (Computer aided Drafting & Design) for District 1 newly hired and recently promoted employees. Thank you Terry!

Terry Anderson has been helping us get our highway construction plans scanned and ready to put on ProjectWise Explorer. The highway construction plans are a valuable resource used by many departments in the District. Having the highway construction plans accessible on ProjectWise will allow our section operate more efficiently. Thank you Mr. Anderson!

Request For Qualifications (RFQ's) for the Design/Build projects St. Joe River Bridge, KN13383 & St. Joe Railroad Bridge KN13384 project, programed for FY17, has been completed and three design-build firms were short-listed in mid-April. We are in the process of finalizing the RFP documents, and expect they will go out to the three short-listed firms in the next couple weeks. After the three firms prepare their responses, including their technical proposals and ATC's, and submit them for review, the evaluation team will review the responses, hold one-on-one meetings, and then the firm with the winning proposal will be selected. We anticipate that process will be completed by mid-July. For more information please contact Gregory Brands.

Project Design

I-90, PINEHURST TO KELLOGG, SHOSHONE CO - KN 19366

A Resurface Project for pavement preservation on I-90 from MP 44.500 to MP 49.000. Total project length is 4.5 miles for 4 lanes. Programmed for FY19

I-90, KELLOGG TO ELIZABETH PARK RD, SHOSHONE CO - KN 19366

A Resurfacing Project on I-90 from MP 49.000 to MP 51.956, for pavement preservation. Total project length is 2.956 miles for 4 lanes. Programmed for FY20.

I-90, IC 68 TO EAST OF MULLAN, SHOSHONE CO - KN19052

A Restoration project on I-90 from MP 68.005 to MP 69.515, (6.04 lane miles) to crack & seat existing PCC pavement in the travel lanes and shoulders, applying an HMA leveling course followed by a stress absorbing membrane interlayer (SAMI) and an HMA overlay. Rumble strips and striping will be installed. Programmed for FY20.

US-95, ECHO DR TO MP 515.50, BOUNDARY COUNTY

Restoration project on US-95 for roadway resurfacing and guardrail upgrade. Project US-95, MP 511.0 to MP 515.5, is for the work of resurfacing the roadway through the project limits. Programmed for FY19.

US-95, BLACKWELL SLOUGH TO I-90 OPASS IC#12 - KN19221

A Restoration project on US-95 from MP 429.005 to MP 430.592, to provide pavement preservation by applying a 0.20' Mill and Inlay with a 0.25' Superpave Hot Mix Asphalt (HMA) Overlay and updating ADA curb ramps. Programmed for FY20.

SH-41, BURLINGTON NORTHERN RR BR, BONNER CO

Bridge Restoration project, Bridge Restoration - Replace with three-lane three-span structure with shoulders and sidewalks. Programmed for FY19.

SH-5, ST MARIES RR WEST TRESTLE WALL, BENEWAH CO - KN18675

A Bridge Restoration project to increase safety by adding shoulders to SH-5 at MP 6.0 under the St Maries River Railroad trestle. This will require moving the retaining wall on the west side of the road 16 feet back from the roadway. Programmed for FY20.

SH-97, CDA RV BR, HARRISON - KN18806

A Bridge Restoration project to correct settlement at the abutments that has occurred since the bridge was constructed in 2007. The Coeur d'Alene River Bridge, located 0.6 miles north of Harrison, has experienced significant and continued settlement at both abutments-the July 2014 bridge inspection report indicates that the south abutment has settled 7.5 inches and the north abutment has settled 14.5 inches. Steel shims have been placed and the asphalt approaches patched to keep the bridge deck at roadway elevation. Programmed for FY19.

I-90B, OLD US-10 WALL REPAIR WALLACE - KN18996

A Bridge Restoration project to rehabilitate and stabilize the retaining wall that supports I-90B and the barrier and rail that run along the left side of the roadway from North Frontage Rd to 6th St. This wall has historical significance and the work will preserve as much of the cultural value as possible. Programmed for FY20.

I-90, PENNSYLVANIA AVE OPASS WB CDA - KN19188

A Bridge Restoration project to replace the existing two-span bridge in the west bound lane built in 1960 on I-90 crossing over Pennsylvania Avenue in the town of Coeur d'Alene. The 2014 Bridge Sufficiency Rating was 74.5. The existing bridge is structurally deficient with the superstructure rated in fair condition. Programmed for FY20

SH-53, UPRR BRIDGE NEAR US-95 – KN19385

A Bridge Restoration project involves realigning approximately one-half mile of SH-53, just west of the SH-53 & US-95 junction and constructing a new SH-53 Union Pacific Railroad (UPRR) bridge. The old UPRR Bridge is functionally obsolete and will be removed. This project is programmed for FY20.

US-95, SANDPOINT LONG BR OVER PEND O'REILLE - KN19248

A Bridge Restoration project that includes applying fiber reinforced polymer (FRP) wraps on the submerged piers; repositioning of bearing pads at selected bents; patching and repairing various concrete structural members and painting the steel supports at selected bents and performing miscellaneous bridge repair. Programmed for FY20.

I-90, BLUE CR BAY BR , WBL, KOOTENAI CO – KN19431

The work for this project includes applying fiber reinforced polymer (FRP) wraps on the submerged piers; repositioning of bearing pads at selected bents; patching and repairing various concrete structural members and painting the steel supports at selected bents and performing miscellaneous bridge repair. Programmed for FY19.

I-90, BLUE CR BAY BR , EBL, KOOTENAI CO – KN19257

The work for this project includes applying fiber reinforced polymer (FRP) wraps on the submerged piers; repositioning of bearing pads at selected bents; patching and repairing various concrete structural members and painting the steel supports at selected bents and performing miscellaneous bridge repair. Programmed for FY19.

SH-200B, STRONG CR BR, EAST HOPE – KN19506

Bridge Restoration project to replacement bridge on SH-200 Business Route.

I-90, CEDARS TO DUDLEY RD UPASS, KOOTENAI CO – KN18955

An ED Project. This project is to improve safety on I-90 between MP 32.35 and 36.2, Kootenai County, a High Accident Location. This will be accomplished by minor widening and resurfacing the median with plant mix and constructing tall concrete barrier.

US-95, AQUA AVE TO MILES AVE, HAYDEN – KN19343

An ED Project. This project is to improve mobility on US-95 between MP 433.550 to 435.450, Kootenai County. This will be accomplished by following recommendations of the Kootenai Metropolitan Planning Organization (KMPO) US-95 Access Study, commissioned by the ITD Board (2006). The improvement Strategy for US-95 included signal installation at the intersection of US-95 & Miles Ave, and Restricted Access at Aqua Ave, allowing right in/right out and left turns off of US-95.



*Ryan Hawkins, P.E.
Engineering Manager
Design / Construction, Team A*

Design/Construction Team A

Congratulations to Ryan Hawkins on his promotion to Engineering Manager for Design/Construction Team A. Ryan started his career with ITD as an EIT after graduating from the University of Idaho and served in Residency for nine years before leading the Traffic Operations & Design Section for the last three years. As Traffic Engineer he championed the Design/Construct team concept for the management and construction for traffic engineering projects.

Project Design

US-2, PINE ST TO CEDAR ST, SANDPOINT - FY16 – KN 19172

PS&E by April 30; construction in late August

Estimate: \$1.5 million

This project will reconfigure US-2 from one-way to two-way on 5th Avenue between Pine Street and Cedar Street with intersection improvements along 5th Avenue. Pine St, 1st Ave, Cedar St, and Superior St will be relinquished to the City of Sandpoint. PS&E submittal is anticipated in April 2016 with bid opening on June 7th.

FY18a D1 BRIDGE REPAIR - FY18 – KN 13849

Estimate: \$2.2 million

This project will perform an epoxy overlay and silane protective treatment on the following structures: I-90 at 3rd Street, I-90 at Big Creek Road, and I-90 at Johnson Street.

A silica fume overlay and silane protective treatment will be performed on the following structures: I-90 at Silverton IC, I-90 Business Loop at Silverton IC, and I-90 at South Fork Coeur d'Alene River. Design efforts are underway.

US-95, COCOLALLA CREEK BRIDGE - FY18 – KN 13850

Estimate: \$1.0 million

This project will replace the existing deteriorated bridge. Preliminary design efforts are near complete. Final design and PS&E delivery are expected to be complete by June 30, 2016.

US-95, MOCTELME CREEK BRIDGE - FY18 – KN 13852**Estimate: \$890k**

This project will replace the existing deteriorated bridge. Preliminary design efforts are underway, and final design and PS&E delivery are expected to be complete by September 30, 2016.

SH-41, BURLINGTON NORTHERN RR BR, BONNER CO - FY19 – KN 13851**Estimate: \$3.1 million**

This project will replace the existing deteriorated bridge. Survey has been completed. Design efforts through PS&E are being consulted out with HDR, Inc. being selected as the design consultant.

**I-90, KINGSTON IC #43, SHOSHONE CO - FY19 – KN 19133****Estimate: \$8.0 million**

This project will replace the existing deteriorated bridge and increase structure clearance over the Interstate. Parametrix was selected through the RFP process to provide design services through PS&E with initial design efforts underway. A preliminary design review is scheduled for March 25, 2016.

SH-6, CREEK BR, BENEWAH CO - FY18 – KN 19009**Estimate: \$725K**

This project will replace the existing two-lane deteriorated and structurally deficient bridge. Preliminary design efforts are currently underway with PS&E is scheduled for September 30, 2016.

FY19 D1 BRIDGE REPAIRS – KN 18681**Estimate: \$2 million**

Five Silica-fume overlays and one epoxy overlay, as well as repairs on six I-90 bridges from MP 17.82 to 51.96. The initial Development Charter is approved.

Project Construction

SH-97, I-90 OPASS IC 22, KOOTENAI CO - FY16 – KN 13382**Awarded to Concrete Placing Co.; Construction starts by June 15****Estimate: 5.6 million**

This project will replace the SH-97 structure over I-90 and include some interchange improvements. PS&E was delivered September 30, 2015. This project was chosen for State funded construction with HB-312 Surplus Eliminator funds. The project bid opened March 1st and the project was awarded on March 18, 2016. Construction planned for summer 2016.

US-95, ROUND PRAIRIE CR TO CANADA - FY17 – KN 13407**Advertised, Bids open May 10, construction expected by June****Estimate: \$4.5 million**

The purpose of this project is to rehabilitate US-95 from MP 526.670 to 536.560 by performing a mill and inlay. Additionally, the structure over Round Prairie Cr at MP 532.32, which was built in 1933 and is 24' wide, will be replaced. PS&E submittal was completed in September, 2015.

SH-5, ST MARIES RIVER RR UNDERPASS, BENEWAH CO - FY17 – KN 13410**Awarded to West Construction; Construction to start June 6th****Estimate: \$1.2 million**

The purpose of this project is to increase SH-5 sight distance through the existing RR underpass. PS&E was delivered September 30, 2015. This Federal Aid project is scheduled for construction to begin on June 6, 2016.

**SH-41, RATHDRUM TO JCT SH 54 & SH-41, JCT SH-53 TO JCT US-2 - KN 13402 & 12291****Awarded POE Asphalt Inc; Construction to begin in early May for KN 12291 & early June for KN 13402****Cost: \$4,509,908.47**

The purpose of this project is to rehabilitate SH-41 from MP 7.900 to 18.134 by performing a CRABS and construct safety improvements from MP 7.9 to 39.058 that are a result of a roadside safety audit performed in 2012. The improvements consist of addition of turn bays at selected intersections and signage improvements amongst other items. Bid opening was March 1, 2016. Construction efforts began for KN 12291 on May 02.

SH-5, 4TH ST TO JCT SH 3, ST MARIES - FY17 – KN 12290**Awarded to Accelerated Construction; Construction starts by early May****Estimate: \$1.2 million**

This project will include the reconstruction of pavement, base, and sidewalks at the junction of SH-3 and SH-5 to meet current design standards and traffic needs. Turn lanes and an increase to intersection radii for truck traffic are included in the design. PS&E delivered September 30, 2015. Construction work began April 29, 2016.



*John Perfect, P.E.
Resident Engineer
Design/Construction, Team B*

*Design/Construction Team B**Project Design***SH-3, CATTLE PASS CR BR - FY18 – KN 13385****Estimate: \$1.1 million**

The purpose of this project is to replace the existing 12-ft simple-span timber structure with a culvert, and replace an adjacent culvert. Survey and hydraulics investigation are complete and preliminary design is complete. Final design completed in April, PS&E in June.

I-90, GOVERNMENT WAY UPASS, COEUR D'ALENE - FY18 – KN 13861**PS&E September****Estimate: \$710k**

This safety project will address the operation of the weaving sections between the US 95 and 4th Street interchanges in Coeur d'Alene by providing auxiliary lanes between on ramps and off ramps. A consultant has completed traffic modeling to analyze various design alternatives. Companion with KN 19002.

I-90, NORTHWEST BLVD TO SHERMAN AVE - FY18 – KN 19002**Estimate: \$14.96 million**

This project is a full-depth reconstruction of I-90 from MP 10.953 to 14.803. Survey and preliminary design efforts are underway with KN 13861. PS&E by September.

I-90, WASH ST LN TO BIKE/PED BR - FY18 – KN 13411**PS&E by September****Estimate: \$7.5 million**

The purpose of the project is to rehabilitate I-90 from MP 0.0 to 10.953 by performing a mill and inlay. Preliminary design underway. Companion to KN 13849. PS&E by September.

US 95, HANGMAN CREEK OVERFLOW BRIDGE - FY18 – KN 13853**Estimate: \$890k**

This project will replace the existing deteriorated bridge. Survey efforts are complete and the hydraulics report has been approved. Preliminary Design Review is complete. PS&E by June.

US-95, ALDERSON LN TO MADISON ST, BONNERS FERRY (was US-95, MP 504 TO BONNERS FERRY NCL)**PS&E September****FY18 – KN 12964****Estimate: \$4.8 Million**

Address safety issues along the corridor by building two thru-lanes with a two-way left turn lane (TWL/TL), constructing shoulders/bike lanes, a grass buffer/snow storage area, and sidewalk on each side with ADA ramps. This project will construct Stage 1 from MP 506.253 – 506.960 (Alderson Lane to Madison St). A storm drainage system will also be included in the project. A public meeting was held on 2-5-15, and it was well attended. A public hearing was held on 8-5-15. Preliminary Design is underway.



Bonnors Ferry, Boundary County

KN 12964 Project Extents

US 95, COUGAR CR TO BLACKWELL SLOUGH, KOOTENAI CO - FY18 – KN 13854**PS&E by September****Estimate: \$2.9 million**

This project will rehabilitate the pavement on US 95 from MP 426.5 to 428.981 by milling 0.2' of existing asphalt and overlaying with 0.25' of new asphalt. Preliminary design efforts are underway.

US-95, BLACKWELL SLOUGH TO I 90 OPASS IC#12 - KN19221**FY18 Design**

A Restoration project on US-95 from MP 429.005 to MP 430.592, to provide pavement preservation by applying a 0.20' Mill and Inlay with a 0.25' Superpave Hot Mix Asphalt (HMA) Overlay and updating ADA curb ramps. Programmed for FY20.

SH-97, CDA RV BR, HARRISON - KN18806**PD No work occurring**

A Bridge Restoration project to correct settlement at the abutments that has occurred since the bridge was constructed in 2007. The Coeur d'Alene River Bridge, located 0.6 miles north of Harrison, has experienced significant and continued settlement at both abutments- the July 2014 bridge inspection report indicates that the south abutment has settled 7.5 inches and the north abutment has settled 14.5 inches. Steel shims have been placed and the asphalt approaches patched to keep the bridge deck at roadway elevation. Programmed for FY19.

FY18b D1 BRIDGE REPAIRS – KN 19326**PS&E by February 15, 2017**

This project is envisioned to be a bridge preservation and bridge preventive maintenance project. The existing condition of the selected structures range from satisfactory to very good. The application of the deck preservation system is proposed to be either an Epoxy Overlay or a Silica Fume Concrete Overlay. This project is to be companioned with project I-90, WA ST LN TO BIK/PED BR, POST FALLS, milepost 0.000 to 10.935 (43.812 Lane Miles), a resurfacing project. Companioning these two projects will provide a maintenance free corridor on I-90, milepost 0.00 to 10.935, for the next twenty years.

COEUR D'ALENE LAKE DRIVE CORRIDOR MASTER PLAN – KN 13425**Ongoing study****Corridor Master Plan Document Only****Estimate: \$150k – No CN**

This project will create a corridor master plan that defines the future use, ownership, and operation of the Old US 10 corridor from Sherman Ave to the Higgins Point trailhead. The stakeholder agencies met in July and the consultant is continuing with the study.

Project Construction

FY17 D1 BRIDGE REPAIR - FY17 – KN 13386**Apparent low bidder Truesdell Co., Construction to start May****Estimate: \$2.2 million**

This project involves bridge repair work to submerged piers on the Sandpoint Long Bridge and to selected bents on the parallel pedestrian bridge. In addition, an epoxy overlay will be applied to the Long Bridge to provide skid resistance. PS&E was delivered Sept 30, 2015 and is scheduled to bid in April.

US-95, BENEWAH CO LN TO WORLEY - FY17 – KN 13405**Awarded to Interstate****Estimate: \$2.9 million**

Project reconstructs a portion of US-95 north of Plummer. PS&E delivered September 30, 2015 and is scheduled to bid this month.

SH-3, CD'A RIVER BRIDGE TO I-90 OVERPASS – KN 13406**Awarded To Interstate; Starts In June****Contractor: Interstate Asphalt, Inc.****Cost: \$1,629,337.56**

Project overlays the northern section of SH-3 and replaces signing, guardrail, and culverts. Work will start next spring.

SH-41, SELTICE WAY TO MULLAN BIKE/PED TRAIL, POST FALLS**Currently In Construction****Contractor: Winkler Construction, Inc.****Cost:\$518,131.81**

Project is a City of Post Falls TAP. It will construct a trail extension from the Centennial Trail, under the I-90 & SH-41 IC, and to the local sidewalk system along SH-41. Work began in April.

I-90 ELIZABETH PARK RD TO OSBURN - SEAL COAT ONLY**Contractor: Knife River Corporation - Northwest****Cost: \$5,695,870.75**

This Project will grind and pave back two 0.20' Hot mix asphalt lifts on 6.5 miles of Interstate 90. Metal guardrail will be replaced and the roadway will get a chip seal.

Pavement work has been completed. ITD has rejected the first season's work in the driving lanes due to latent defects. DRB hearing was held on May 18, 2014 where ITD prevailed on all accounts. ITD and Knife River completed negotiations on repair method and warranty. Seal work remains for the upcoming season.

I-90, MULLAN TO MONTANA**WB Complete; Starting EB****Contractor: Acme Concrete****Cost: \$28,809,000.00**

Project replaces concrete roadway. Work of paving the west bound lanes is complete. Minor work remains. Contractor has started east bound lanes. We have found the jersey rail to be failing over the course of the winter. The contractor and ITD are beginning petrographic and destructive testing to determine the cause.

**SH-5, PLUMMER RR BRIDGE****Stage 1 Complete; Stage 2 in June****Contractor: Ralph Wadsworth, Inc.****Cost: \$9,306,838.84**

Project replaces the SH-5 concrete bridge over the UPRR and St. Maries River RR yards in Plummer, Idaho. has begun, but is proceeding very slowly. There have been several contractor, sub-contractor, and supplier caused delays and the project is badly behind schedule. Contractor has made attempts to bring the project back on time, but delays consistently occur. At the current pace, the project would finish in April. Contractor is currently being charged liquidated damages, though ITD negotiated charging only those costs which are incurred due to the delay. These costs include consultant billings, railroad inspector billings, and pay items that are time based. The delays are now impacting our agreement with Ruan-Yeager. D1 will need to come to the Board to increase funding levels on this agreement. ITD is being paid back by the contractor for these additional cost at a later date.

US-95, SMITH CREEK TO SHEEP CREEK**HDR Project Just Starting****Contractor: Apollo Construction, Inc.****Cost: \$9,285,000.00**

Project reconstructs a 5-mile portion of US-95 north of the Latah-Benewah County line. Contractor has two of the four large pipes before being require to shut down for the winter. Not completing the remaining pipes has impacted the project schedule. ITD will negotiate with the contractor the cost impacts of the delay.

FY16 BRIDGE LIFE EXTENSION - Project Complete**Contractor: Braun-Jensen, Inc.****Cost: \$900,000.00**

Project makes deck and sub-structure repairs on several bridges between Sandpoint and Priest River on US-2. Contractor has completed work. Project closeout remains.

I-90, WALLACE VIADUCT JOINT REPAIRS, STAGE I - Project Completed

Contractor: C.L. Heilman

Cost: \$1,756,896.40

The project will replace a portion of the viaduct deck joints. The retaining wall work is completed. All of the joints have been replaced. Project closeout remains.

US-95 GARWOOD TO SAGLE-ATHOL AND GRANITE STAGES – GARVEE - Project Completed

Contractor: Scarsella Brothers Incorporated

Cost: \$21,071,845.88

This project reconstructs 5 miles of US-95 from 2 to a 4 lane divided highway, and an interchange at SH-54. This contract is being administered by HDR and was opened to traffic on 10/14/14.

The Contractor has completed all main-line work. Seal coat work has been deleted. The CO for the Blaire Castle Road is completed. Project closeout remains.

US-95 GARWOOD TO SAGLE-CHILCO AND SILVERWOOD STAGES – GARVEE - Project Completed

Contractor: Scarsella Bros.

Cost: \$35,932,532.67

This project reconstructs 6.5 miles of US-95 from 2 to a 4 lane divided highway, adds 6.5 miles of frontage road on the east side, 1.5 miles of frontage road on the west side, and two interchanges; one at Chilco Road, and Bunco Road.

Contract time is substantially complete. Seal coat and permanent striping work is complete. Claim has been sent to mitigation which will occur May 9-27, 2016.

I-90, PINEHURST RD GS - Project Complete

Contractor: Wadsworth Brothers

Cost: \$11,338,082.71

This contract will replace the structures of the Pinehurst Interchange. The east bound structure and west bound structure are complete. Project closeout remains.

I-90B, MULLAN BRIDGES - Project Complete

Contractor: C L Heilman Company

Cost: \$2,841,784.20

Work on the project is substantially complete. Project closeout remains.

Traffic Operations & Design

The Traffic Design and Construction section has been gathering data and preparing speed studies through the GARVEE corridor north of Coeur d'Alene. The electricians have been continuing the energy savings initiatives that began with the LED upgrades on Interstate 90 and the remote sand sheds. Data support is being provided for the completion of the Animal Detection Unit, as well as the traffic data collection efforts as a part of the TIGER grant funding for the Worley project.

Traffic Operations has also been working on upgrades to the US-95 corridor through the Cities of Coeur d'Alene and Hayden. Detection will be replaced and controllers will be installed to facilitate mobility. The Wi-Fi construction travel time monitoring equipment is implemented on the Lookout Pass Project this upcoming construction season to capture work zone delay.

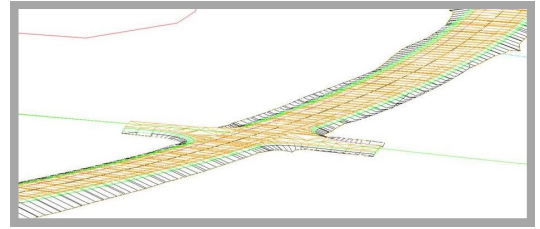
Project Design

US-95, WINDFALL PASS CURVE BENEWAH CO - FY-18 KN 18999

Estimate: \$1.78 million

This project addresses a high accident location on US-95 at milepost 388 by increasing the curve radius.

The project improvements include widening the lanes and shoulders throughout the curve and adding a left turn lane at the intersection of US-95 and Windfall Pass Rd. The survey for the project has been completed and Preliminary design is complete. PS&E delivery is anticipated on September 30, 2016.



Windfall Pass Curve Alignment - Preliminary Design

US-95 & IRONWOOD INTERSECTION, CDA - FY16 KN 19509

Estimate: \$1.05 million

Project includes widening of the intersection to accommodate the additional traffic volumes experienced with the expansion of Kootenai Medical Health Facility and the installation of a signal Emma Ave. We have been assisting in coordinating the development with the City, Hospital, and Parkwood Properties. Preliminary design is complete with final design scheduled for June 2016.

SH-200, TRAILER HAVEN RRX, BONNER CO. - FY16 KN 18751

Estimate: \$275K

Project includes upgrading the Railroad Signal and signage for Trailer Haven Road adjacent to SH-200. Montana Rail Link has been issued a Notice to Proceed and is in the process of ordering materials. Work is expected to begin this spring.

D1 SIGN UPGRADES KOOTENAI CO. - FY18 - KN 13855

Estimate: \$1.6 million

This project replaces overhead signs that have been deemed deficient in reflectivity by FHWA along with some ground mounted signs not addressed with projects completed along I-90. Materials will be upgraded to Type 11 material allowing sign lighters to be turned off permanently, saving the department money in energy and maintenance costs. Preliminary design is in progress and preliminary design review is anticipated May 15th 2016 with final design anticipated in July 2016.



ADA IMPROVEMENTS - FY18 - KN 19063

Estimate: \$150,000

This project improves pedestrian facilities such as sidewalks, cross-walks and curbs to make them more accessible for people with disabilities. PS&E delivery is anticipated for September 30, 2016.

FY17 ADA IMPROVEMENTS - KN 18754

Estimate: \$563K

This project is companioned with JCT SH 57 Intersection Priest River Phase 1 and improves pedestrian facilities such as sidewalks, cross-walks and curbs to make them more accessible for people with disabilities. Design has been completed and the bid opening date is February 9th.

US-95 ELMIRA ROAD TURNBAY, BONNER CO. - FY19 - KN 18923

Estimate: \$570,000

This project adds a dedicated left turn bay and acceleration lane to the intersection of US95 and Elmira Road. This project is an extension of the safety improvements made to the BNSF railroad crossing at Elmira Road. Design work to begin in summer of 2016.

SH-41 LANCASTER INTERSECTION, KOOTENAI CO. - FY19 KN 19471

Estimate: \$1,100,000

This project widens and signalizes the intersection of SH-41 and Lancaster Road in Kootenai County. This signal will help facilitate the safe movement of traffic as this area has experienced rapid growth and added vehicular trips. Design work to begin in the summer of 2016.

Project Construction

SH 53, PLEASANTVIEW RD. TURNBAYS, HAUSER

Contractor: Knife River, Inc. Cost: \$386,866

Project installs left and right turn lanes for the southbound movement onto Pleasantview Rd. from SH-53. Work has been completed and is in the process of closeout.

FY16 D1 GUARDRAIL REPLACEMENT

Contractor: Frank Gurney, Inc. Cost: \$391,946.50

Project replaces guardrail throughout the District at various locations on I-90 that have been deemed unsafe. Guardrails are necessary to maintain traveler safety. The Strategic Highway Safety Plan allows for system-wide improvements that can reduce death and serious crashes. Project work was completed in April 2016. Final payment and project closeout remain.

FY16 D1 ADA IMPROVEMENTS

Contractor: Earthworks Northwest, Inc. Cost: \$181,075.00

Project replaces ADA facilities that are deficient adjacent to US-2. The locations were identified in an FHWA report to the district which identified the areas as not meeting standards. Work will begin this spring.

IDAHO TRANSPORTATION DEPARTMENT

Your Safety, Your Mobility, Your Economic Opportunity



Congratulations to Joey Sprague on passing his PE Exam! And the new arrival of his son Owen!

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Idaho Transportation Department, District One is comprised of Benewah, Bonner, Boundary, Kootenai and Shoshone Counties with a land area of 7,752 square miles. ITD District One is responsible for the design and maintenance of 1,472 lane miles and 595 centerline miles.

District One personnel strive to provide the traveling public with safe, high-mobility roads that ensure the economic opportunity of North Idaho and the Inland Northwest Region.

[http://itd.idaho.gov/projects/
D1/index.html](http://itd.idaho.gov/projects/D1/index.html)

